

Title (en)
CORRUGATED RADIOFREQUENCY ABLATION CATHETER HAVING WALL-ATTACHING ADJUSTMENT WIRES AND APPARATUS THEREOF

Title (de)
GEWELLTER HOCHFREQUENZ-ABLATIONS-KATHETER MIT WANDFIXIERUNGSANPASSUNGSDRÄHTEN UND VORRICHTUNG DAFÜR

Title (fr)
CATHÉTER D'ABLATION PAR RADIOFRÉQUENCES ONDULÉ COMPORTANT DES CÂBLES DE RÉGLAGE ASSURANT LA FIXATION À LA PAROI ET APPAREIL ASSOCIÉ

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Application
EP 16792177 A 20160510

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Abstract (en)
A corrugated radio frequency ablation catheter having wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B'), provided with a strip-shaped connecting catheter, an electrode frame provided at the front extremity of the connecting catheter, and a control handle (20) provided at the rear extremity of the connecting catheter. The electrode frame is a corrugated electrode frame consisting of one or more corrugations, where one or more electrodes (2) respectively are distributed on the corrugations. The rear sections of the wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B') are slidably provided within one lumen of the connecting catheter and are connected at the rear extremities (60) onto a control element (22) provided on the control handle (20) or connected onto a control element (22) provided outside of the control handle (20). The front sections of the wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B') protrude to the outside of the electrode frame and either run through one or more holes (11, 12, 13, and 14) provided on the corrugations or run around the multiple corrugations, and then the front extremities return to the interior of the electrode frame. By pulling back the wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B'), substantial changes in the diameters of the corrugations of the electrode frame are allowed.

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